



Chair: ^{(b) (6)}

Facilitator: ^{(b) (6)}

Commander's Environmental Management Review Board (CEMRB)

22 December 2015



Agenda

- Environmental Management Systems (EMS)
- Status of MCIPAC Installations FY15 Objectives and Targets
- MCIPAC Installations FY16 Proposed Objectives and Targets
- Upcoming Benchmark Environmental Compliance Evaluations (ECE)
- How Commanders Can Help



Environmental Management System (EMS)

- EMS is required by Executive Order 13423 and MCO 5090.2A
- MCIPAC EMS Key Components
 - MCIPACO 5090.1 EMS (undergoing revision in FY16)
 - MCIPAC Environmental Policy Statement
 - MCIPAC EMS Core Team
 - Annual Management Review (CEMRB)
- Installation-Level EMS
 - Risk Ranking
 - Objectives and Targets
 - Operational Controls (SOPs, etc)
 - Checking and Corrective Action (ECEs)
 - Cross Functional Teams (EMS Core Teams)



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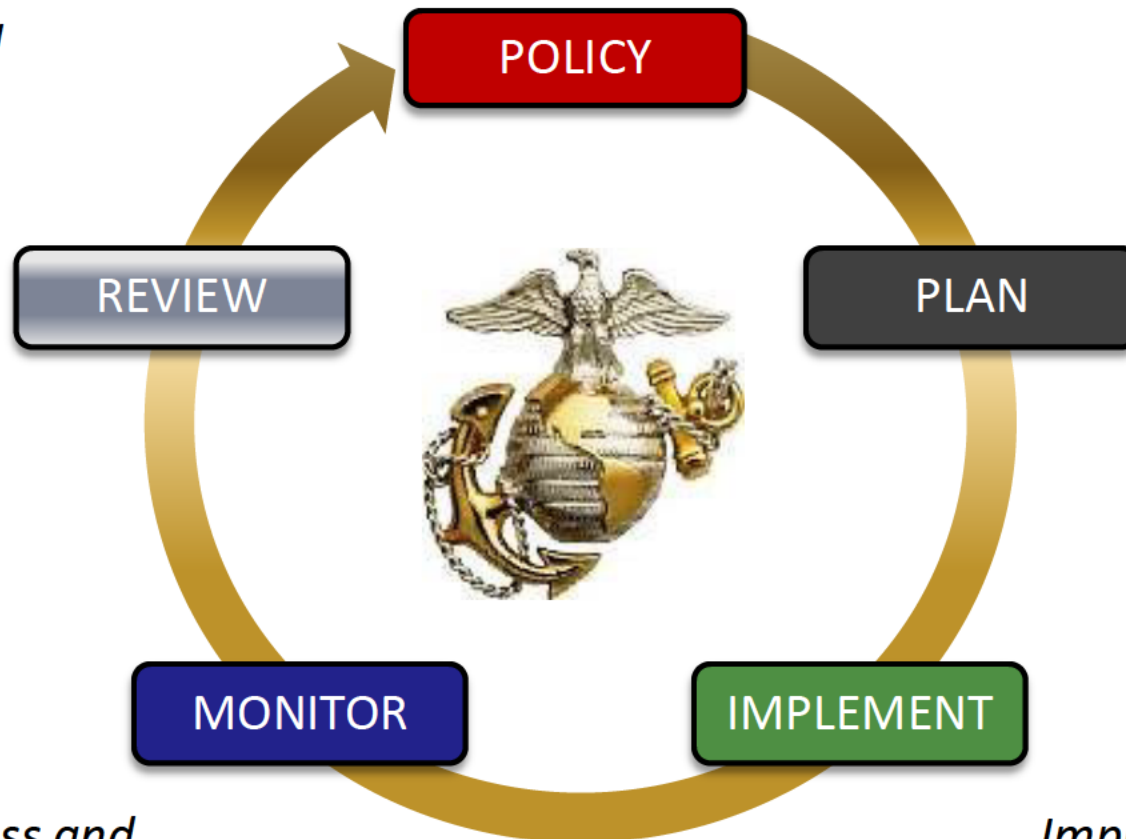
Marine Corps EMS

ACT

*Use progress reviews
to make needed
changes*

PLAN

*Identify targets and
objectives*



CHECK

*Evaluate progress and
implement corrective
action*

DO

*Implement training
and operational
controls*

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MCB Butler Status FY15 EMS Objectives & Targets

Objectives	Targets	Status
1. Minimize the impact of solid waste to landfills	Divert 55% (by weight) of the FY15 non-hazardous solid waste from the waste stream	Target not met; DOD 50% met
2. Reduce energy consumption across installations	This FY15 Objective and Target to be briefed during the Utilities Conservation and Appraisal Board immediately following the CEMRB	
3. Reduce risk associated with mishandling of hazardous waste	Conduct 100% review of all hazardous waste disposal documentation	Target met



MCB Butler (Proposed)

FY16 EMS Objectives & Targets

Objectives	Targets
1. Minimize the environmental impact of solid waste to landfills	Divert 55% (by weight) of the FY16 non-hazardous solid waste from the waste stream
2. Reduce risk associated with mishandling of hazardous waste	Continue to conduct 100% review of all hazardous waste disposal documentation
3. Increase efficiency of the Qualified Recycling Program	Fully implement Organizational Development Office recommendations to improve transparency and efficiency of the Qualified Recycling Program



MCAS Futenma Status FY15 EMS Objective & Targets

Objective	Targets	Status
Reduce quantity of reportable spills of POLs and hazardous substances	A. Increase personnel's spill response awareness by <u>planning</u> for a station-wide spill response exercise to be <u>conducted</u> in FY16	Target A met
	B. Change Station Order 4020.3D to align with MCIPAC Spill Prevention Response Plan	Target B met
	C. Create and implement an awareness/education campaign	Target C met



MCAS Futenma

FY16 EMS Objectives & Targets

Objectives	Targets
1. Support the reduction of hazardous waste generation	<ul style="list-style-type: none">A. Implement a hazardous material reuse education and awareness campaignB. Ensure units have an updated Authorized User List with quantity limits
2. Continue to reduce quantity of reportable POL/hazardous substance spills	<ul style="list-style-type: none">A. Increase personnel's spill response awareness by conducting a station-wide spill drillB. Implement adjustments to awareness/education campaignC. Update Site Specific Spill Plans for designated units using new format



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CATC Camp Fuji Status FY15 EMS Objectives & Targets

Objectives	Targets	Status
1. Purchase and install showerheads with low-velocity flow models	Replace all showerheads in barracks and Mtn View Inn with low-velocity flow models to reduce water consumption	Target met - 452 showerheads replaced
2. Increase efficiencies in waste management	Install recycling receptacle containers in common areas and establish SOP to educate units about recycling	Target met
3. Complete hazardous waste storage area closure plans	Complete hazardous waste storage area closure plan for T23 and Bldg. 26 in accordance with Japan Environmental Governing Standards	Target met
4. Establish plan for total reduction and phase of Ozone Depleting Substances	Replace 50% of existing Freon R12 refrigerator units from living quarters and establish plan to replace all R22 refrigerant by 2020	Target met - Replaced 676 of 800 R12 units (85%)

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CATC Camp Fuji

FY16 EMS Objectives & Targets

Objectives	Targets
1. Phase-out of Ozone Depleting Substances at CATC Fuji	Replace 100% of existing Freon R12 refrigerator units from living quarters on camp by end of FY16
2. Increase efficiency in hazardous waste reduction, cost savings, and recycling efforts	<ul style="list-style-type: none">A. Purchase two portable anti-freeze recycling units for Mobile Equipment PlatoonB. Reduce hazardous waste and increase efficiency in antifreeze recycling



MCB Hawaii Status FY15 EMS Objectives & Targets

Objectives	Targets	Status
1. Support waterborne operational training	Map the underwater environment fronting Marine Corps Training Area Bellows (MCTAB) littoral zone to provide safer passages for operators	Target projected to be met May 16
2. Define cultural landscape of Camp Smith	Produce cultural landscape report of Camp Smith to comply with mitigation requirements for Building 1, MARFORPAC Complex	Target projected to be met Jan 16
3. Remove PCB-contaminated soil from a salvage yard that formerly held a transformer station	Execute removal action of contaminated soils by excavation to meet cleanup criteria and properly dispose of contaminated soil	Target met



MCB Hawaii Status FY15 EMS Objectives & Targets

Objectives	Targets	Status
4. Comply with Wastewater Treatment Plant (WWTP) Operations Enterococcus and Chlordane requirements	Achieve a Stay in Permit Conditions	Target met



MCB Hawaii

FY16 EMS Objectives & Targets

Objectives	Targets
1. Ensure installation readiness to respond to emergency oil spills	<ul style="list-style-type: none">A. Exercise and evaluate established plans and procedures to respond to, contain, clean up, and report oil spillsB. Conduct Base-wide, interagency Spill Response Exercise
2. Comply with new Hawaii Department of Health Storm Water National Pollutant Discharge Elimination System Permit	<ul style="list-style-type: none">A. Revise Storm Water Management PlanB. Prepare 1st Year Monitoring Plan
3. Ensure regulatory compliance for all waste types: Recyclable Material, Universal Waste, Resource Conservation and Recovery Act Hazardous Waste, and Non-Regulated Waste	<ul style="list-style-type: none">A. Conduct periodic training for Waste Accumulation Point managersB. Assess compliance by conducting monthly Waste Accumulation Point inspections



MCAS Iwakuni Status

FY15 EMS Objectives & Targets

Objectives	Targets	Status
1. Provide spill containment at North Retention Pond	A. Develop spill containment strategies and install permanent measures B. Provide spill response training	Target A not met – Carried over and interim actions taken Target B met in FY16
2. Establish an Authorized User List (AUL) Working Group	A. Establish designated AUL working group and membership B. Design and implement training for working group and users	Target A met Target B met in FY16
3. EMS Program Implementation	Reinvigorate the EMS program to comply with all 17 elements of Marine Corps EMS	Target met



MCAS Iwakuni Status FY15 EMS Objectives & Targets

Objectives	Targets	Status
4. Resolve solid waste management/on-site landfill	A. Develop and gain approval for landfill closure date plan of action and milestones (POAMs)	Target A met
	B. Divert all possible waste streams from landfill	Target B met



MCAS Iwakuni

FY16 EMS Objectives & Targets

Objectives	Targets
1. Hazardous material and hazardous waste life-cycle management and minimization	<ul style="list-style-type: none">A. Evaluate current practices HM/HW management and reportingB. Develop implementation strategiesC. Implement HM reutilization improvements
2. Review and Update Spill Prevention Response Plan	<ul style="list-style-type: none">A. Recommend changes to Spill Prevention Response Plan (as required)B. Containment structural improvements to North PondC. Recommend make changes for spill response contract(s)
3. Conduct Base-wide spill response drill	Successfully conduct "worst-case" scenario spill drill per the Spill Prevention Response Plan .
4. Resolve FY14 ECE Findings	Close out 9 outstanding findings from the FY14 ECE



Camp Mujuk Status

FY15 EMS Objectives & Targets

Objectives	Targets	Status
1. Implement EMS	A. Review existing EMS Manual & Policy	- Implement EMS responsibilities reflecting current Camp Mujuk organization : Target Not Met
	B. Upgrade EMSPs	- Assign Practice Owner (i.e. Energy, HWAP, Building, and Tank managers/operators) : Target Met - Provide EMS document for monitoring and measurement : Target Not Met
	C. Annual review of ECE POA&M, Perform annual Self-EMS & ECE Audit	- Perform Self-EMS & ECE Audit with assistance from MCIPAC : Target Not Met



Camp Mujuk Status

FY15 EMS Objectives & Targets

Objectives	Targets	Status
2. Implement Environmental Compliance	Develop and implement environmental compliance actions	- Develop the Potable Water Vulnerability Assessment (if funding is approved) : Target Not Met
		- Develop the Potable Water Emergency Contingency Plan (if funding is approved) : Target Not Met
		- DD1391 being drafted by MCIPAC and Conduct the design of the Wastewater Treatment Plant for Upgrade : In Progress



Camp Mujuk

FY16 EMS Objectives & Targets

Objectives	Targets
1. Reduce risks of incompatible HM/HW storage	<ul style="list-style-type: none">A. Conduct quarterly inspection for HM Storage room & hazardous waste accumulation point (HWAP)B. Program additional HW/HM Storage Buildings (relocatable) to augment segregation of incompatibles
2. Develop and implement Spill Response & Pollution Prevention Plan	<ul style="list-style-type: none">A. Identify operations posing spill potentialB. Program projects to reduce releases to the environment (wash rack upgrade; HW/HM Storage solutions)C. Conduct Spill response trainingD. Implement spill kit inspection schedule



Camp Mujuk

FY16 EMS Objectives & Targets

Objectives	Targets
3. Enhance regulatory compliance associated with wastewater discharge	Program Wastewater Study to determine requirements for Wastewater Treatment Plant upgrades (Assisted by MCIPAC-MCB Butler)
4. Reduce amount/costs of solid waste disposal	<ul style="list-style-type: none">A. Identify solid waste streams that can be diverted to recyclingB. Identify potential recycling partnersC. Determine feasibility for implementing a Qualified Recycling Program (QRP)



Environmental Compliance Evaluations

- Purpose is to assess environmental compliance status and recommend appropriate corrective actions
- Benchmark ECE conducted by MCICOM on 3-year cycle
 - MCB Hawaii: Jan 2016
 - Camp Butler/MCAS Futenma: Apr 2016
 - Camp Mujuk: Apr 2016
 - CATC Camp Fuji: 2017
 - MCAS Iwakuni: 2017
- Self-ECEs are conducted in off-years



How Commanders Can Help

- Communicate Environmental Policy
- Support FY16 Objectives and Targets and working groups
- Emphasize the following to your units:
 - Minimize use of hazardous materials to decrease creation of hazardous waste
 - Maintain clean, well managed hazardous waste accumulation areas
 - Clean small spills quickly; call 911 for large spills
 - Properly dispose of all waste prior to deployment
 - Support recycling program in living and work areas, especially in barracks
 - Conserve energy & water at work and barracks
- Maintain close contact with your camp/station environmental staff



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Environmental Directors/Coordinators

- **MCB Hawaii -** (b) (6)
- **MCAS Iwakuni -** (b) (6)
- **CATC Camp Fuji —** (b) (6)
- **Camp Mujuk —** (b) (6)
- **MCAS Futenma —** (b) (6)
- **Camp Kinser —** (b) (6)
- **Camp Foster/Lester —** (b) (6)
- **Camp Hansen/Courtney/Ie Shima —** (b) (6)
- **Camp Schwab/JWTC —** (b) (6)

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